Galilee Salt Marsh Restoration Project - Section 1135



Ecosystem Restoration Opportunities
Associated with Other Initiatives

Larry Oliver - New England District

Project Location





Galilee Salt Marsh



CRMP Historic Conditions & Impacts





Pre-Construction Project Site & Project Elements



"Other Initiatives"

- Highlighted as area for restoration in the State CZM Salt Pond Special Area Management Plan
- Priority Focus Area in the North American Waterfowl Management Plan - Atlantic Coast Joint Venture
- Coastal America Regional Focus Area



Coastal America Partners

- Corps of Engineers
- RI Division of Fish and Wildlife
- RI Department of Transportation
- RI Department of Environmental Management
- RI Coastal Resources Management Council

- U.S. Fish and Wildlife Service
- U.S. Environmental Protection Agency
- Ducks Unlimited
- University of Rhode Island
- Save the Bay
- Town of Narragansett

"Some Other Initiatives"

- RIDOT Mitigation for Section 404 and Local Permits - Support for Others
- Corps Wetland Research Program
- Pittman Robertson Federal Wildlife Aid
- Ducks Unlimited Funding Contribution
- EPA Section 319 Grant
- Volunteer Planting Effort
- USFWS Equipment Loan

Elevation Survey

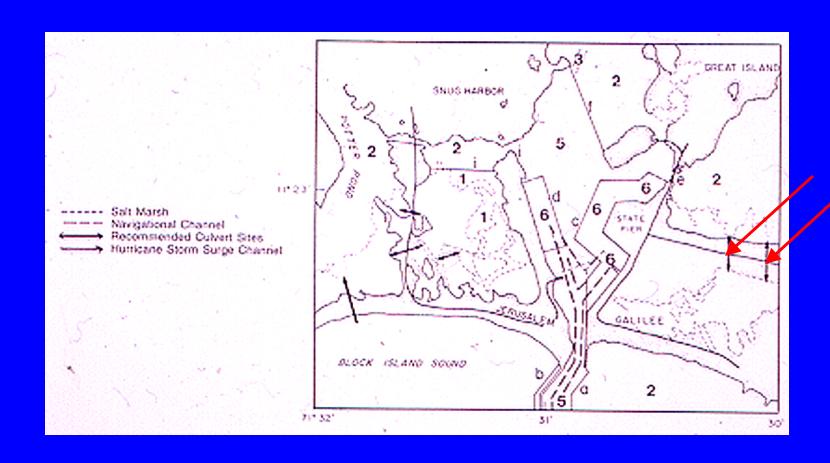


URI Monitoring Grid





CRMP SAM Plan - Culvert Locations



Galilee Road



Culverts Prior to Construction



Downstream Side of Culverts



SRT Gates Open Position



SRT Gates Closed Position



Survey During Construction



Graded West Side During Construction



Channel Construction



Channel Construction



Vegetation Stockpile



Volunteer Planting Effort



Planted Vegetation September 1997



Vegetation July 2000



Vegetation July 2000



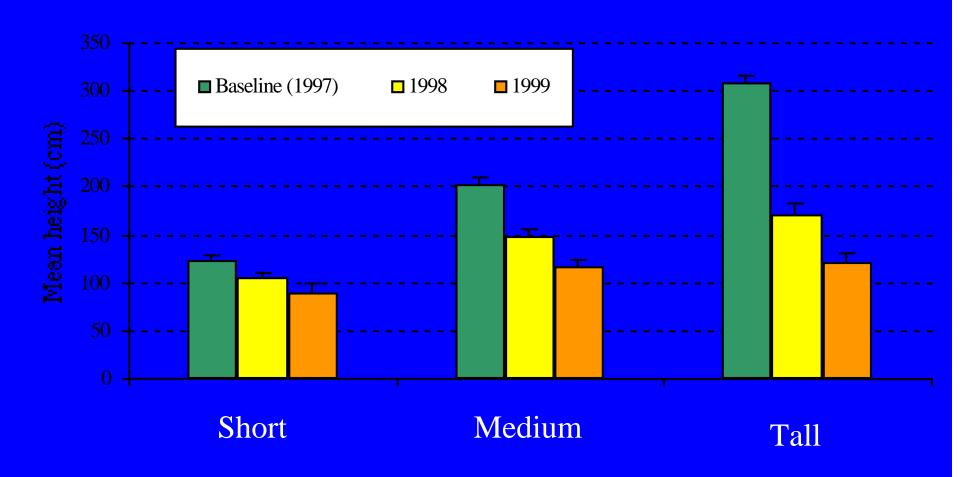
Low Ground Pressure Excavator



Post-Construction Site View

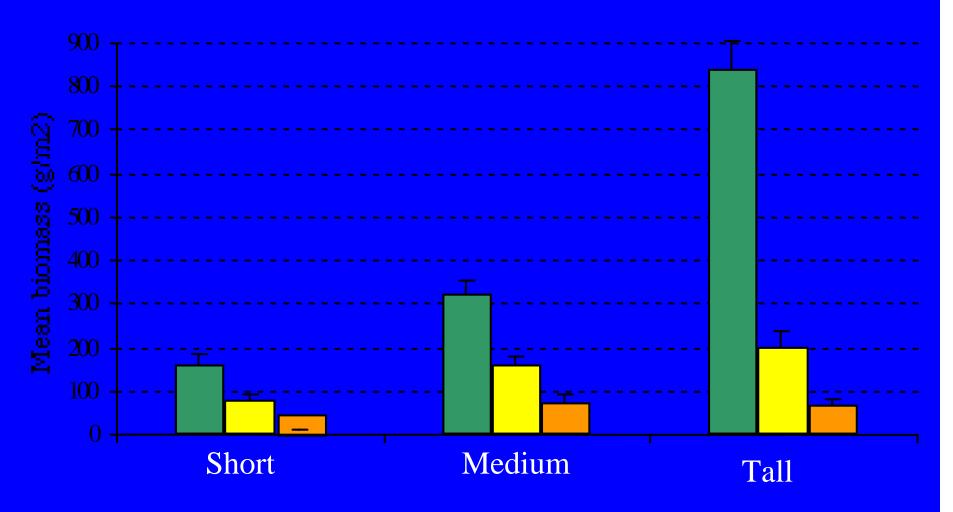


Results - Phragmites Height



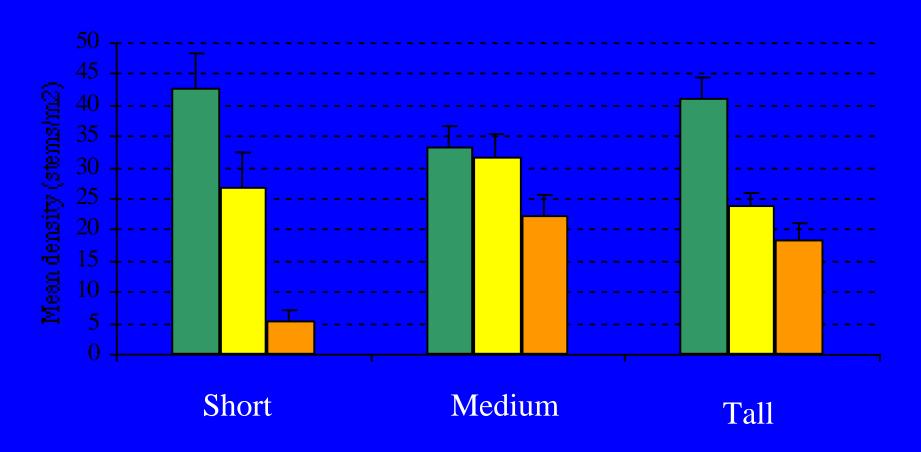
Height of *Phragmites australis* from Sanctuary habitats before (1997) and after (1998 and 1999) the restoration of tidal flow (Courtesy of University of Rhode Island).

Results - Phragmites Biomass



Biomass of *Phragmites australis* from Sanctuary habitats before (1997) and after (1998 and 1999) the restoration of tidal flow (Courtesy of University of Rhode Island).

Results - Phragmites Density



Density of *Phragmites australis* from Sanctuary habitats before (1997) and after (1998 and 1999) the restoration of tidal flow (Courtesy of University of Rhode Island).

